

(19) World Intellectual Property
Organization
International Bureau



550748

(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085481 A1

(51) International Patent Classification⁷:
31/00, 35/00, C08L 3/12, A61L 15/60

C08B 30/20,

(74) Agents: DUBUC, J. et al.; Goudreau Gage Dubuc, Stock
Exchange Tower, Suite 3400, 800 Place Victoria, P.O. Box
242, Montreal, Quebec H4Z 1E9 (CA).

(21) International Application Number:

PCT/CA2004/000473

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2,423,712

26 March 2003 (26.03.2003)

CA

(71) Applicant (for all designated States except US): **LE
GROUPE LYSAC INC.** [CA/CA]; 75, J.-Armand-Bom-
bardier, Boucherville, Quebec J4B 8P1 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **THIBODEAU,**
Claude [CA/CA]; 750, des Grives, Mont St-Hilaire, Que-
bec J3H 5Y8 (CA). **BERGERON, David** [CA/CA]; 152,
Samuel de Champlain, La Prairie, Quebec J5R 6K4 (CA).
BOLDUC, Isabelle [CA/CA]; 1390, boulevard Rome,
App. 9, Brossard, Quebec J4W 2T4 (CA). **COUTURE,**
Claude [CA/CA]; 5, Park Place, App. 8, Westmount,
Québec H3X 2K4 (CA). **NOURRY, Nicolas** [CA/CA];
1048, rue Maissoneuve, App. 3, Longueuil, Quebec J4K
5A1 (CA).

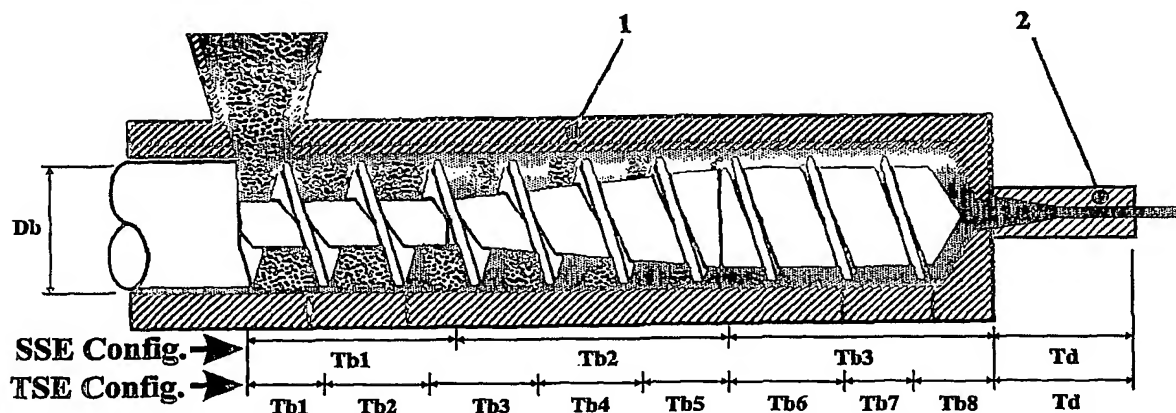
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: STARCH NETWORKS AS ABSORBENT OR SUPERABSORBENT MATERIALS AND THEIR PREPARATION BY EXTRUSION



(57) Abstract: The present invention relates an absorbent material consisting of a molecular network of starch molecules, the starch molecules comprising an amylopectin content of at least 90% (w/w). The molecular network can either be comprised of self-entangled starches or cross-linked starches.

WO 2004/085481 A1